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'Mean Little Cases' Give New Dimension to Controversies over Academic Freedom

By Lorenzo Middleton

Barbara Landphair lost her job at Lynchburg College after someone told the president—who happened to be her next-door neighbor—that she and her two daughters were living with a man who was not her husband.

Ralph L. Odom received his dismissal notice from the president of Philander Smith College following his arrest on shoplifting charges involving a 60-cent package of pipe filters.

John H. Songdahl lost his bid for tenure at Nichols College after the dean of the faculty said he was spending too much time chatting with secretaries, and with one female staff member in particular.

The American Association of University Professors has cited those three cases as examples of unfair actions by college administrators against faculty members.

They are indicative of what one A.A.U.P. official describes as a "disturbing" trend that has added a new dimension to controversies over academic freedom.

The central issue in such cases, says Jordan E. Kurland, associate general secretary of the A.A.U.P., is seldom teaching methods or research credentials—or a professor's political activities, as was often the case in the late 1960's and early 1970's.

'On the Outs' with Influential People

The issues are largely matters of conflicting personalities or life styles, Mr. Kurland says. Punitive action is taken against faculty members not because they are regarded by their peers as unproductive or inferior scholars, but because they are "on the outs" with people who can influence decisions about whether they will be tenured, promoted, or granted salary increases.

"Mean little cases," is how Mr. Kurland describes the controversies. "The subject is mean, the people are mean, and the whole thing leaves a bad taste in your mouth," he says.

Such conflicts have always occurred in higher education, he adds, but they are becoming more prevalent.

He says the number of such complaints received by the association has increased by 20 per cent over the past year. They now account for about one-third of the 1,200 complaints the association receives from faculty members every year.

This, Mr. Kurland says, has been "a big year" for allegations of moral turpitude, many of which involve differences of opinion over what constitutes sexual misconduct.

There has been an increase in charges involving adultery, homosexual relationships, and cohabitation, he says, and, for the first time, a number of colleges have taken action against faculty members accused of sexually harassing students. In

Continued on Page 4, Column 2

More Decisions on Purchasing Textbooks Now Made by Committees, Survey Shows

By Beverly T. Watkins

NEW YORK

Departmental committees, not individual faculty members, are making more and more of the decisions about which textbooks to adopt for college classes, a new study has found.

The use of committees is more widespread among public than private colleges and universities, and among institutions with lower academic rankings, according to a survey conducted for the Association of American Publishers, the Book Industry Study Group, and the National Association of College Stores.

The majority of faculty members surveyed said textbook committees tended to compromise on "conventional, middle-of-the-road textbooks." The professors also said that the major reason for recommending a change in books was that "faculty members get tired of using the same text."

The study, the first such project for the book industry since 1974, examined the market for textbooks and the attitudes and practices of publishers, campus bookstores, faculty members, and college students over the last five years. It was conducted by Crossley Surveys, an independent research firm in New York, which polled 60 bookstore managers, 500 students, and 300 faculty members at 39 colleges and universities.

Among its other findings:

▶ Contrary to the suspicions of many in the textbook business, the use of hardcover texts in college classes is not diminishing. Although the use of paperback texts is increasing modestly, more than 90 per cent of the students had a basic hardcover text assigned in their largest class last year. That was an increase of 7 per cent over the last five years. More than 85 per cent of students purchased that text, which was an increase of 14 per cent since 1974.

▶ A student's source of money for college affects his or her textbook purchases. Students who depend on their parents to pay for their college education—about 36 per cent—purchase an average of eight textbooks each term. Those who rely on loans, scholarships, and grants—about 33

Continued on Page 4, Column 1

Woman Chemist Gets $100,000 in Settlement of Sex-Bias Suit

By Austin C. Wehrwein

MINNEAPOLIS

A seven-year-old sex-discrimination suit brought against the University of Minnesota by a woman chemist who was denied tenure has been resolved by a sweeping consent decree that gives her $100,000 in "compensatory damages" and pays her attorneys' fees.

A consent decree is not an admission of guilt. Spokesmen said the university merely wanted to end the protracted case and was already reforming its procedures in line with the spirit of the decree.

But Shyamala Rajender, who brought the suit under Title VII of the 1964 Civil Rights Act, claimed a feminist victory that would curb the "old boys' network."

"At least I've done something for women in chemistry and maybe through all the university," she said.

Mrs. Rajender, a native of India but now an American citizen, is no longer at the university. She is a patent lawyer in San Francisco.

Lawyers on both sides said they believed it was the second sex-bias case against a university to end in a consent decree. The other involved a 1977 settlement at Brown University.

Lawyers here said the Minnesota agreement differed in several important respects from the Brown case, notably in the provision for a special master who will supervise the agreement until 1989, and will have broad powers to adjudicate claims.

A source close to the case said that regardless of whether Mrs. Rajender, whose academic rank had been temporary assistant professor, had a good legal case, the chemistry department did not have a good historical case. It has had only one woman faculty member with tenure, and she re-

Continued on Page 10, Column 3

News Summary

Articles on inside pages

An appeals court has ruled that the National Collegiate Athletic Association may challenge in court federal regulations issued to enforce an anti-sex-bias law. Story on Page 4.

A "rescue mission" for the humanities is being waged in a 5,400-acre research park in North Carolina. Story on Page 3.

Students' week-long occupation of administration offices at the University of Massachusetts at Boston ended in 29 arrests. Story on Page 2.

The procedures the Office of Education uses to review accrediting agencies have become bogged down in controversy. Story on Page 11.

The Carter Administration has won a round in its fight to resume registering young men for the military draft. Story on Page 11.

A Fact-File listing the investments of faculty pension funds by the College Retirement Equities Fund appears on Pages 8-10.

Higher-education groups fear that education appropriations could be hurt by proposals to tighten the procedures Congress uses to control federal spending. Story on Page 13.

Negotiations are under way in the Senate on the contacts the charter for the Central Intelligence Agency would allow between scholars and undercover agents. Story on Page 12.

Violent clashes at Iranian universities last week between leftist students and Moslem fundamentalists left at least 10 persons dead. Story on Page 15.

Medical-school graduates from Ontario are flocking to the United States. This and other Notes from Canada appear on Page 15.

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FACT-FILE

CREF Portfolios

A listing of the stocks in which faculty pension funds

Following is a list of investments of faculty pension funds by the College Retirement Equities Fund, showing the number of shares held and the market value at the end of 1978 and 1979 calendar years.

	Dec. 31, 1979		Dec. 31, 1978	
	Shares	Market value	Shares	Market value
Aerospace				
Beech Aircraft	233,310	$11,665,500	233,310	$5,745,259
Conv. deb., 4.75% 8/1/93	(par value $4,538,000)	11,571,900	(par value $5,338,000)	6,859,330
Cessna Aircraft	888,510	20,879,985	846,200	15,654,700
Raytheon	—	—	200,000	9,300,000
Rockwell International	400,000	19,250,000	373,000	13,288,125
TRW, Inc. $4.40 cum. conv. pfd. b.	—	—	58,100	4,764,200
United Technologies $3.875 cum. conv. pfd.	319,200	13,725,600	319,200	12,408,900
	24,000	1,350,000	24,000	1,332,000
Subtotals		**$78,442,985**		**$69,352,514**
Air transport				
Delta Air Lines	150,000	$5,868,750	150,000	$6,262,500
Northwest Airlines	200,000	5,525,000	200,000	5,700,000
Subtotals		**$11,393,750**		**$11,962,500**
Aluminum				
Alcan Aluminum	1,675,000	$78,515,625	675,000	$22,865,625
Alurninum Company of America	525,000	28,809,375	525,000	25,068,750
Kaiser Aluminum & Chemical	1,647,484	31,714,067	600,984	10,517,220
Kaiser Industries	100,000	200,000	100,000	200,000
Martin Marietta	725,000	33,712,500	725,000	21,750,000
Reynolds Metal	856,400	27,833,000	300,000	9,787,500
Reynolds $4.50 curn. conv. pfd.	21,000	1,407,000	—	—
Subtotals		**$202,191,567**		**$90,189,095**
Banks				
BankAmerica	950,000	$26,243,750	1,300,000	$33,475,000
Chase Manhattan	100,000	3,862,500	—	—
Citicorp	2,050,000	48,431,250	1,815,000	42,652,500
Continental Illinois	377,000	10,980,125	377,000	9,849,125
First Chicago	645,000	9,997,500	765,000	14,535,000
First City Bancorporation of Texas	215,000	8,331,250	215,000	7,121,875
Manufacturers Hanover	501,000	15,593,625	341,000	10,912,000
Mercantile Texas	410,530	10,519,856	299,000	7,475,000
Texas Commerce Bancshares- American General Insurance conv. deb. 6.5% 6/15/94	—	—	(par value $7,586,000)	6,941,190
Wells Fargo	700,000	18,812,500	500,000	13,562,500
Subtotals		**$152,772,356**		**$146,524,190**
Beverages				
Coca-Cola	1,748,000	$60,524,500	1,205,200	$52,878,150
PepsiCo	859,278	21,374,540	330,500	8,469,063
Conv. deb. 4.75% 8/1/96	—	—	(par value $10,771,000)	13,571,460
Subtotals		**$81,899,040**		**$74,918,673**
Broadcasters				
American Broadcasting	158,100	$6,205,425	—	—
Capital Cities Communications	32,600	1,585,175	—	—
CBS	584,700	30,623,663	364,000	$18,473,000
Metromedia	5,000	367,500	—	—
Subtotals		**$38,781,763**		**$18,473,000**
Business Services				
Automatic Data Processing	459,100	$16,068,500	230,000	$6,756,250
Deluxe Check Printers	200,000	7,100,000	200,000	6,000,000
Electronic Data Systems	331,200	8,859,600	266,200	5,057,800
Purolator	200,000	5,675,000	200,000	5,000,000
Subtotals		**$37,703,100**		**$22,814,050**

	Dec. 31, 1979		Dec. 31, 1978	
	Shares	Market value	Shares	Market value
Chemicals				
Allied Chemical	562,559	$27,635,712	725,472	$20,675,952
Diamond Shamrock	144,800	4,561,200	570,000	10,972,500
Dow Chemical	—	—	450,000	11,306,250
Du Pont	1,154,087	46,596,262	243,729	30,953,583
Hercules	1,100,000	22,687,500	—	—
International Minerals & Chemicals	286,200	16,563,825	550,000	19,387,500
Monsanto	841,800	50,192,325	614,100	28,862,700
Nalco Chemical	125,000	4,312,500	200,000	5,350,000
PPG Industries	372,300	10,750,162	—	—
Stauffer Chemical	920,000	20,700,000	480,000	18,660,000
Union Carbide	474,050	19,910,100	408,308	13,882,472
Subtotals		**$223,909,586**		**$160,050,957**
Construction & mining equipment				
Bucyrus-Erie	—	—	150,000	$ 2,325,000
Caterpillar Tractor	1,727,800	$93,301,200	832,800	48,927,000
Conv.deb. 5.5% 6/30/00	(par value $6,350,000)	6,826,250	(par value $3,350,000)	4,020,000
Subtotals		**$100,127,450**		**$55,272,000**
Construction materials & homebuilders				
Armstrong Cork	1,284,500	$21,194,250	350,300	$5,648,588
Congoleum	496,200	17,056,875	452,800	9,282,400
Jim Walter	320,000	9,840,000	300,000	8,025,000
Subtotals		**$48,091,125**		**$22,955,988**
Containers				
Continental Group	905,000	$26,131,875	455,000	$12,285,000
Crown Cork & Seal	246,000	7,164,750	231,000	6,930,000
Owens-Illinois	345,000	6,986,250	245,000	4,379,375
Subtotals		**$40,282,875**		**$23,594,375**
Cosmetics				
Avon Products	1,365,000	$53,746,875	665,000	$33,748,750
Gillette	300,000	7,912,500	540,600	14,123,175
International Flavors & Fragrances	370,000	7,261,250	370,000	8,741,250
Revlon	—	—	71,700	3,683,587
Revlon International Finance Conv. deb. 4.75% 6/15/83	(par value $10,995,000)	14,348,475	(par value $9,620,000)	14,285,700
Conv. deb. 4.75% 4/15/87	(par value $10,105,000)	11,115,500	(par value $8,875,000)	11,337,813
Tampax	—	—	80,000	2,400,000
Subtotals		**$94,384,600**		**$88,320,275**
Drugs				
American Home Products	2,000,000	$54,500,000	1,400,000	$39,375,000
Bristol-Myers	385,000	14,245,000	685,000	24,488,750
Johnson & Johnson	269,500	21,357,875	169,500	12,500,625
Lilly (Eli)	—	—	528,000	25,278,000
Medtronic	100,000	6,900,000	250,000	7,968,750
Merck	250,000	18,125,000	550,000	37,193,750
National Medical Care	100,000	2,675,000	—	—
Pfizer	—	—	122,300	4,020,613
Schering-Plough	1,000,000	30,375,000	925,500	27,417,938
SmithKline	190,000	11,946,250	200,000	18,300,000
Upjohn	165,700	7,808,613	182,700	8,929,462
Warner-Lambert	1,000,000	19,938,000	800,000	19,000,000
Subtotals		**$187,870,738**		**$224,472,888**
Electrical equipment				
Burndy	305,000	$9,302,500	305,000	$5,795,900
Combustion Engineering	450,000	26,662,500	450,000	14,568,750
Eltra	—	—	318,600	8,841,150
Emerson Electric	510,700	17,938,338	358,500	12,771,562
General Electric	2,444,100	124,038,075	1,879,100	88,552,587
Gould	1,133,600	26,356,200	—	—
International Telephone & Telegraph	2,330,900	59,729,312	1,012,300	27,458,638
$4.00 Cum conv. pfd. J	32,900	1,381,800	32,900	1,488,725
$4.00 Cum conv. pfd. H	24,200	1,113,200	20,000	970,000
Conv. deb. 8.625% 6/1/00	—	—	(par value $10,155,000)	$10,891,238
McGraw-Edison	788,000	20,586,500	588,000	14,553,000
Minnesota Mining & Manufacturing	320,000	16,120,000	620,000	38,982,500
Reliance Electric	—	—	325,000	9,750,000
Square D	210,300	4,889,475	116,200	2,338,525

	Dec. 31, 1979		Dec. 31, 1978	
	Shares	Market value	Shares	Market value
Electrical Equipment (Continued)				
Thomas & Betts Corporation	155,900	$6,547,800	44,800	$1,864,800
Westinghouse Electric	128,100	2,578,012	—	—
Subtotals		**$317,243,712**		**$238,826,475**
Electronics				
Advanced Micro Devices	—	—	202,500	$4,404,375
AMP	300,000	$12,075,002	300,000	9,187,500
Augat	243,300	7,207,762	153,400	3,873,350
Intel Corporation	234,375	15,820,312	156,250	7,734,375
Motorola	100,000	5,112,500	100,000	3,987,500
National Semiconductor Corporation	343,900	11,907,537	409,000	8,691,250
Plantronics	300,000	6,037,500	—	—
ROLM Corporation	85,900	3,640,012	—	—
Subtotals		**$61,800,625**		**$37,878,350**
Food & related				
Archer-Daniels-Midland	—	—	231,600	$3,242,400
Beatrice Foods	135,200	$2,771,600	116,700	2,654,925
Beatrice Foods Overseas Finance N.V. Conv. deb. 4.875% 8/15/93	(par value $6,800,000)	5,984,000	(par value $6,800,000)	6,715,000
Conv. deb. 6.25% 8/1/91	—	—	(par value $980,000)	984,900
Conv. deb. 7.25% 11/1/90	(par value $1,150,000)	1,334,000	(par value $725,000)	915,313
Consolidated Foods	444,000	11,544,000	—	—
CPC International	200,000	12,075,000	200,000	9,850,000
DEKALB AgResearch Incorporated Class B	—	—	179,300	4,258,375
General Foods	505,000	16,980,625	500,000	16,062,500
Keilogg Company	331,200	6,251,400	531,200	9,760,800
Kraft	325,000	15,518,750	275,000	12,306,250
Pioneer Hi-Bred International	—	—	300,000	6,037,500
Ralston Purina	1,402,000	15,422,000	880,200	10,012,275
Staley (A.E.) Manufacturing	—	—	250,000	4,187,500
Standard Brands	—	—	171,350	3,983,889
Subtotals		**$87,881,375**		**$90,971,627**
Food Stores				
Albertson's	294,300	$11,220,187	200,000	$7,375,000
Dillon Companies	461,454	7,267,900	242,236	6,843,167
Great Atlantic & Pacific Tea	816,000	7,038,000	616,000	3,542,000
Jewel Companies	355,600	9,334,500	355,600	7,156,450
Kroger	1,056,700	20,077,300	330,000	11,756,250
Lucky Stores	566,929	8,858,267	562,829	8,301,728
Conv. deb. 6.75% 7/15/00	(par value 3,000,000)	3,375,000	(par value 1,650,000)	1,716,000
Meyer (Fred)	194,716	5,695,443	191,145	5,065,343
Conv. deb. 4.5% 6/15/97	(par value $1,641,000)	2,059,455	(par value $1,591,000)	1,710,325
Safeway Stores	306,000	10,786,500	—	—
Southland Corporation	544,723	15,660,786	528,858	14,146,951
Subtotals		**$101,373,338**		**$67,613,214**
Forest Products				
Boise Cascade Corporation	162,700	$5,511,463	162,700	4,352,225
Champion International	248,300	5,928,162	248,300	5,307,413
Evans Products	219,100	4,820,200	200,000	3,550,000

in 1978 and 1979

totaling more than $6.3-billion have been invested

	Dec. 31, 1979		Dec. 31, 1978	
	Shares	Market value	Shares	Market value
Forest Products (Continued)				
Georgia-Pacific Co.	—	—	100,000	$2,425,000
Subtotals		**$16,259,825**		**$15,634,638**
Household goods				
RCA	3,125,000	$69,531,250	630,000	$16,616,250
Singer	755,000	6,889,375	755,000	10,003,750
Whirlpool	1,550,000	$29,062,500	550,000	$10,518,750
White Consolidated Industries	400,000	9,550,000	—	—
Subtotals		**$115,033,125**		**$37,138,750**
Household products				
Clorox	876,200	$8,981,050	816,200	$8,774,150
Colgate-Palmolive	1,317,000	19,096,500	805,000	13,383,125
Dart Industries	232,300	9,117,775	147,500	5,881,562
Dart Industries $2.00 Cum. conv. pfd. A	257,500	10,042,500	257,500	10,171,250
Procter & Gamble	332,000	24,651,000	282,000	25,062,750
Purex	550,000	8,525,000	450,000	6,750,000
Unilever N.V.	450,000	27,168,750	405,400	24,628,050
Subtotals		**$107,582,575**		**$94,650,887**
Instruments				
Bausch & Lomb	—	—	37,600	$1,466,400
Beckman Instruments	600,000	$17,550,000	—	—
Hewlett-Packard	549,200	32,471,450	100,000	8,987,500
Tektronix	350,000	20,956,250	—	—
Varian Associates	320,000	9,680,000	350,000	4,725,000
Subtotals		**$80,657,700**		**$15,178,900**
Insurance companies				
Aetna Life & Casualty	2,209,950	$73,480,838	250,000	$9,687,500
American Express	275,000	8,215,625	275,000	8,009,375
American International Group	360,000	21,420,000	597,987	30,347,840
Chubb	182,500	6,935,000	150,000	4,875,000
Colonial Penn Group	—	—	350,000	8,706,250
Continental	2,340,000	62,302,500	—	—
Farmers Group	—	—	137,000	3,270,875
General Reinsurance	—	—	7,200	1,274,400
INA	550,900	27,200,687	—	—
NLT	190,000	4,465,000	317,000	7,370,250
Safeco	236,500	8,809,625	139,500	3,871,125
St. Paul Companies	792,000	32,274,000	490,000	16,292,500
Southland Financial	400,000	8,900,000	400,000	6,050,000
Transamerica	200,000	3,400,000	—	—
Travelers	2,068,680	78,868,425	733,500	24,939,000
$2.00 Cum conv. pfd.	—	—	96,800	3,533,200
United States Fidelity & Guaranty	866,500	33,360,250	381,500	11,635,750
USLIFE	—	—	575,000	10,925,000
Subtotals		**$369,631,950**		**$150,788,065**
Leisure time industry				
Disney Productions	1,000,000	$45,000,000	—	—
General Cinema	—	—	50,000	$1,650,000
Hartz Mountain	—	—	400,000	5,500,000
Twentieth Century-Fox Film	158,900	6,912,150	—	—
Warner Communications	475,000	23,453,125	—	—
Subtotals		**$75,365,275**		**$7,150,000**
Machinery—farm, industrial & related				
Amsted Industries	406,000	$15,529,500	50,000	$1,768,750
Browning-Ferris Industries	200,000	3,050,000	200,000	2,500,000
Clark Equipment	234,500	8,998,938	100,000	3,637,500
Cooper Industries	—	—	75,000	3,703,125
Deere	578,700	22,786,313	804,800	27,866,200
conv. deb. 5.5% 1/15/01	(par value $10,525,000)	12,182,687	—	—
Envirotech	—	—	100,000	1,762,500
FMC	596,800	15,516,800	289,000	7,008,250
Hyster	79,000	3,545,125	20,000	645,000
Ingersoll-Rand	68,000	3,510,500	68,000	3,298,000
Pullman	150,000	5,681,250	150,000	5,287,500
Trans Union	200,000	6,925,000	200,000	6,000,000
Subtotals		**$97,726,113**		**$63,476,825**

	Dec. 31, 1979		Dec. 31, 1978	
	Shares	Market value	Shares	Market value
Mining				
Falcon Seaboard Incorporated	—	—	100,000	$2,987,500
Inco Limited Class B	—	—	149,000	2,365,375
Subtotal				**$5,352,875**
Motor vehicles, equipment, & tires				
Bandag	300,000	$ 5,475,000	300,000	$3,975,000
Bendix	350,000	14,262,500	350,000	12,731,250
Cummins Engine	400,000	12,400,000	76,800	2,553,600
Eaton	690,000	17,681,250	—	—
Firestone Tire & Rubber	1,482,000	13,152,750	882,000	10,694,500
Ford Motor	1,972,250	63,112,000	1,307,250	54,904,500
General Motors	4,201,000	210,575,125	2,651,000	143,816,750
General Tire & Rubber	200,000	$4,200,000	—	—
Goodyear Tire & Rubber	1,625,000	20,921,875	925,000	15,031,250
Subtotals		**$361,780,500**		**$243,706,600**
Newspapers				
Dow Jones	80,300	$ 3,232,075	—	—
Gannett	450,000	21,543,750	250,000	$10,187,500
Knight-Ridder	100,000	2,600,000	—	—
Times Mirror	830,000	30,295,000	160,000	4,760,000
Subtotals		**$57,670,825**		**$14,947,500**
Office machines				
Burroughs	551,200	$43,200,300	561,200	$40,967,600
Data General	489,700	26,872,287	371,300	22,556,475
Digital Equipment	554,800	38,211,850	574,800	30,823,650
Honeywell	—	—	180,000	12,510,000
International Business Machines	5,581,000	360,672,125	1,160,000	345,825,000
NCR	606,100	41,972,425	574,100	34,733,050
Sperry	214,231	10,765,108	315,300	14,070,262
Conv. deb. 6% 12/15/00	(par value $8,685,000)	10,465,425	(par value $4,535,000)	5,147,225
Xerox	530,000	32,926,250	530,000	27,891,250
Subtotals		**$565,085,770**		**$534,524,512**
Oil–International				
British Petroleum	—	—	1,215,000	$22,173,750
Dome Petroleum	—	—	77,100	6,206,550
Exxon	4,235,000	$233,454,375	4,125,000	202,640,625
Gulf Oil	2,700,000	93,150,000	2,600,000	62,075,000
Imperial Oil Limited Class A	—	—	185,000	3,931,250
Mobil	1,350,000	74,587,500	825,000	57,337,500
Royal Dutch Petroleum	1,461,200	115,252,150	1,461,200	88,402,600
Standard Oil of California	1,121,900	63,247,113	1,321,900	61,964,062
Texaco	2,250,000	64,968,750	2,150,000	51,331,250
Subtotals		**$644,659,888**		**$556,062,587**
Paper products				
Crown Zellerbach	1,220,000	$53,070,000	700,000	$21,700,000
Great Northern Nekoosa	55,100	1,783,863	—	—
International Paper	2,289,934	84,727,558	1,204,979	43,981,733
St. Regis Paper	1,557,900	47,126,475	757,900	21,410,675
Union Camp	1,209,000	50,778,000	745,000	35,573,750
Westvaco	409,500	12,540,937	400,000	10,250,000
Subtotals		**$250,026,833**		**$132,916,158**
Petroleum–domestic				
Amerada Hess	—	—	66,112	$1,859,400
$3.50 Cum. conv. pfd.	—	—	62,700	3,895,238
Atlantic Richfield	340,300	$27,351,612	750,300	42,673,312
Conoco	637,700	30,131,325	1,300,000	36,562,500
Getty Oil	—	—	438,400	16,549,600
Mountain Fuel Supply	100,200	2,968,425	—	—
Phillips Petroleum	940,000	45,120,000	1,540,000	48,702,500
Shell Oil	864,000	46,872,000	1,300,000	41,925,000
Standard Oil of Indiana	800,000	63,100,000	1,300,000	73,612,500
Standard Oil of Ohio	—	—	200,000	8,500,000
Union Oil of California	—	—	103,500	5,886,563
Subtotals		**$215,543,362**		**$280,166,613**

	Dec. 31, 1979		Dec. 31, 1978	
	Shares	Market value	Shares	Market value
Petroleum services				
Big Three Industries	—	—	128,400	$4,269,300
Dresser Industries	—	—	200,000	7,400,000
Halliburton	400,000	$34,000,000	350,000	23,100,000
McDermott (J. Ray)	450,000	11,250,000	450,000	9,618,750
Schlumberger	1,344,450	126,042,188	877,300	83,124,175
SEDCO	500,000	28,937,500	400,000	11,950,000
Subtotals		**$200,229,688**		**$139,462,225**
Photographic equipment				
Eastman Kodak	1,500,000	$72,375,000	1,200,000	$70,500,000
Subtotals		**$72,375,000**		**$70,500,000**
Publishing				
American Greetings Class A	298,000	$3,538,750	573,000	$6,088,125
Donnelley (R.R.) & Sons	129,400	3,607,025	129,400	3,526,150
McGraw-Hill	535,000	15,180,625	200,000	4,875,000
Time	435,200	20,508,800	—	—
$1.575 Cum. conv. pfd. B	180,600	$6,185,550	180,600	5,711,475
Subtotals		**$49,020,750**		**$20,200,750**
Railroads				
Burlington Northern	—	—	200,000	$7,100,000
Chessie System	100,000	$3,050,000	100,000	2,675,000
Missouri Pacific	451,000	23,185,537	415,000	20,750,000
Norfolk & Western Railway	358,700	9,774,575	458,700	10,034,062
Santa Fe Industries	—	—	49,200	1,457,550
Seaboard Coastline Industries	250,000	7,343,750	250,000	6,625,000
Southern Railway	75,000	4,050,000	75,000	3,496,875
Union Pacific	100,000	7,225,000	300,000	15,450,000
Subtotals		**$54,628,862**		**$67,588,487**
Retail trade				
American Stores	181,000	$4,819,125	222,100	$7,218,250
Associated Dry Goods	85,000	1,785,000	—	—
Best Products	227,500	5,260,938	215,000	5,240,625
Denny's	400,000	6,200,000	201,000	5,226,000
Gordon Jewelry Class A	191,100	4,466,962	177,400	3,392,775
McDonald's	900,000	39,150,000	900,000	41,850,000
Modern Merchandising	252,600	3,662,700	252,600	3,725,850
Sears, Roebuck	560,000	10,080,000	760,000	15,105,000
Service Merchandise	231,000	3,089,625	155,000	2,635,000
Skaggs Companies	—	—	241,000	6,657,625
Subtotals		**$78,514,350**		**$91,051,125**
Savings & loan				
Ahmanson (H.F.)	250,000	$5,281,250	250,000	$4,531,250
First Charter Financial	608,000	10,868,000	770,000	11,453,750
Great Western Financial	475,000	10,450,000	400,000	10,650,000
MGIC Investment	—	—	400,000	7,350,000
Subtotals		**$26,599,250**		**$33,985,000**
Steel				
Bethlehem Steel	570,000	$12,041,250	270,000	$5,298,750
Inland Steel	106,000	3,352,250	106,000	3,710,000
Mesabi Trust	—	—	350,000	5,162,500
Republic Steel	150,000	3,656,250	—	—
United States Steel	1,000,000	17,500,000	609,000	12,941,250
Worthington Industries	150,000	2,700,000	—	—
Subtotals		**$39,249,750**		**$27,112,500**
Textile				
Burlington	480,000	$8,100,000	—	—
Subtotal		**$8,100,000**		
Trucking & related				
Consolidated Freightways	455,500	$11,273,625	121,500	$2,703,375
Leaseway Transportation	587,500	13,145,313	325,000	10,846,875
Ryder System	115,900	2,854,037	230,000	5,548,750
Yellow Freight System	310,500	4,502,250	110,500	2,154,750
Subtotals		**$31,775,225**		**$21,253,750**

Continued on following page

FACT-FILE—Continued

CREF Portfolios in 1978 and 1979

	Dec. 31, 1979		Dec. 31, 1978	
	Shares	Market value	Shares	Market value
Utilities-electric				
Arizona Public Service	550,000	$9,487,500	950,000	$19,356,250
Baltimore Gas & Electric	—	—	530,000	12,918,750
Carolina Power & Light	250,000	4,781,250	850,000	18,275,000
Central & South West	—	—	350,000	5,381,250
Cincinnati Gas & Electric	235,100	3,908,537	685,100	13,702,000
Cleveland Electric Illuminating	775,000	12,690,625	775,000	12,981,250
Consumers Power	1,570,000	29,633,750	1,330,000	29,925,000
Detroit Edison	571,695	7,003,276	510,239	6,888,238
Duke Power	550,000	9,625,000	750,000	14,531,250
Florida Power & Light	200,000	4,975,000	300,000	7,837,500
Middle South Utilities	1,705,000	21,951,875	1,705,000	25,575,000
Northern States Power	—	—	292,875	6,882,582
Ohio Edison	—	—	1,147,991	17,076,373
Oklahoma Gas & Electric	—	—	209,489	3,535,134
Pacific Gas & Electric	610,000	14,030,000	910,000	20,247,500
Public Service Electric & Gas	406,030	7,765,323	563,568	11,412,252
Southern California Edison	915,054	22,418,823	1,102,421	28,387,341
Southern	—	—	761,871	$10,285,260
Subtotals		**$148,270,959**		**$265,197,930**
Utilities-gas & pipeline				
American Natural Resources	565,000	$26,555,000	515,000	$20,020,625
Consolidated Natural Gas	400,000	16,250,000	331,100	12,581,800
Houston Natural Gas	—	—	600,000	13,350,000
Panhandle Eastern Pipe Line	419,751	25,552,342	401,632	16,065,280
Peoples Gas	194,269	8,135,014	364,612	12,305,655
Southern Natural Resources	—	—	361,400	11,474,450
Tenneco	800,000	31,000,000	725,000	21,931,250
Texas Eastern	436,000	28,994,000	536,000	18,157,000
Texas Gas Transmission	600,000	16,425,000	250,000	8,875,000
Texas Oil & Gas	—	—	539,000	17,315,375
Transco Companies	—	—	650,000	13,487,500
United Energy Resources	491,100	30,509,588	400,000	13,300,000
Subtotals		**$183,420,944**		**$178,863,935**
Utilities-telphone				
American Telephone & Telegraph	5,934,229	$309,321,687	5,115,363	$310,118,882
Bell Canada	1,514,350	$26,311,833	471,985	$25,900,221
Central Telephone & Utilities	433,000	10,987,375	333,000	7,950,375
Continental Telephone	2,324,465	37,482,006	1,839,111	26,207,332
General Telephone & Electronics	2,200,100	62,152,825	2,100,100	59,852,850
United Telecommunications	1,725,000	34,068,750	1,525,000	28,593,750
Subtotals		**$480,324,476**		**$458,623,410**
Foreign investments, by exchange				
Australia		$9,225,190		—
Belgium		3,425,293		—
France		13,261,141		—
Hong Kong		5,383,260		—
Japan		65,891,888		$82,125,538
Netherlands		4,248,516		—
Spain		3,238,357		—
Switzerland		11,130,281		—
United Kingdom		30,486,355		—
West Germany		19,997,399		—
Subtotals		**$166,287,680**		**$82,125,538**
Total market value		**$6,361,970,660**		**$5,051,849,731**

SOURCE: COLLEGE RETIREMENT EQUITIES FUND

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News Summary

Articles on inside pages

Genetic studies of frogs have important implications for human medicine, says a scientist at the University of Michigan. But researchers may have trouble obtaining frogs in the future. Stories on Pages 3 and 4.

Members of the faculty senate at the University of California at Berkeley will decide whether they want to have a collective-bargaining agent. Story on Page 10.

Ohio State University plans to run its campus buses on a blend of diesel fuel and used cooking oil from its cafeterias. Story on Page 2.

College representatives are generally pleased with a higher-education bill approved by the Senate Committee on Labor and Human Resources. Story on Page 11.

A ban has been proposed on the use of academics and journalists as spies or informers for U. S. intelligence agencies. Story on Page 14.

A vocal advocate of defense spending is expected to take over the chairmanship of the Senate Budget Committee. Story on Page 13.

Japan and the U. S. have agreed to collaborate on a wide range of scientific research projects. Story on Page 15.

Student unrest has flared at universities in South Korea despite recent moves by the government to lift some restraints on academic freedom. Story on Page 15.

Students and faculty members at universities in Quebec are deeply divided over a proposal that the province seek political independence. Story on Page 16.

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Big Freshman Class of 2.5 Million Boosts Enrollment to 11.7 Million

Largest-ever group of 18-year-olds results in 5-pct. increase in first-time students

By Jack Magarrell

WASHINGTON

This year's freshman class at U. S. colleges and universities is nearly 5 per cent larger than that of a year ago—the biggest one-year increase since 1975.

The 2.5 million new students who showed up on campuses last fall came, for the most part, from the largest group of 18-year-olds that the country has ever had—and larger than it will have in any year in the rest of this century, according to Census Bureau projections.

From a peak of 4,292,000 in 1979, the 18-year-old age group will hit a low of 3,168,000 in 1992—a decline of 26 per cent.

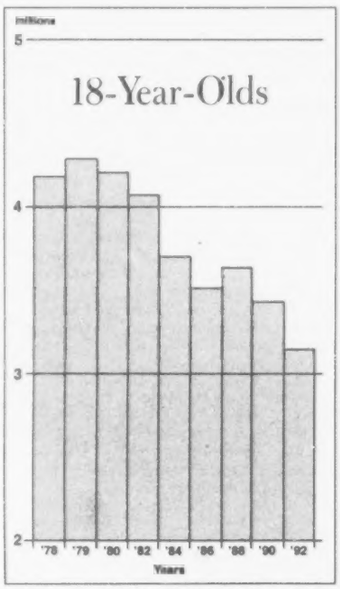
For the broader, 18-to-24 population group, the decline is not expected to begin until 1982.

The influx of freshmen last fall boosted total college enrollment to 11.7 million, an increase of 2.8 per cent over the year before.

The enrollment figures were compiled by the federal government's National Center for Education Statistics from reports from all but 15 of the 3,190 accredited colleges and universities in the U. S.

The actual increase of 2.8 per cent was larger than the estimate of 2.4 per cent made by N.C.E.S. six months ago on the basis of data from about a third of the institutions.

Total enrollment last fall at colleges and universities in the 50 states and District of Columbia was 11,569,899, compared with 11,260,092 in 1978, according to the N.C.E.S. final count. Students in Puerto Rico and other outlying areas and in military-service schools added some 155,000 more to the number of students enrolled in colleges and universities under U. S. jurisdiction last fall.



CHRONICLE CHART BY PETER H. STAFFORD
SOURCE: BUREAU OF THE CENSUS

By 1992, the U. S. will have 2½ per cent fewer 18-year-olds.

The final data show that the increase in the number of first-year students was particularly strong at public colleges and universities, where 5.5 per cent more freshmen were registered than a year earlier. At private institutions, the growth in the number of first-year students was 2 per cent.

A Fact-File on fall enrollments in 1977, 1978, and 1979 appears on Page 8.

In total enrollment, the public institutions gained 2.9 per cent; the private institutions, 2.4 per cent.

For the first time, the final figures show, a majority of all college students are women. Last fall, women outnumbered men on the campuses 5.9 million to 5.7 million.

In 1979 the number of women enrolled in colleges and universities increased by 4.8 per cent over 1978, compared with an increase of only 0.7 per cent in the number of men.

Among the 2,539,000 students enrolling in college for the first time last fall, women outnumbered men by 149,000.

The largest percentage gains in enrollment last fall were made in public community colleges and private universities.

Compared with a year earlier, enroll-

Continued on Page 9, Column 1

NAIA to Become 3rd College Sports Group to Offer Championship Events for Women

KANSAS CITY, MO.

Members of the National Association of Intercollegiate Athletics have voted to begin offering championships for women in nine sports, beginning next fall.

With 79 per cent of the association's 514 members voting, 69 per cent favored a proposal that would begin the championships, add a women's division to the N.A.I.A., and commit the association to develop common rules and guidelines for administering men's and women's intercollegiate athletic programs.

Approval by two-thirds of the members voting was necessary for the proposal to pass.

The National Collegiate Athletic Association, the other major organization representing men's athletic programs, voted earlier this year to begin offering women's championships in five sports in its Divisions II and III beginning in academic 1981-82.

The Association for Intercollegiate Athletics for Women now sponsors championships for women in 17 sports. Christine Grant, president of the women's group, said last week the N.A.I.A. plan "would severely diminish championship opportunities for women students."

Women's Committee Planned

Harry Fritz, executive director of the N.A.I.A., said his organization was putting together a committee of women to plan the new championships.

The committee will be chaired by Joan Warrington, coordinator of women's athletics at Pittsburg State University in Kansas. Ms. Warrington, a former executive secretary of the Association of Intercollegiate Athletics for Women, now is a member of the executive committee of the N.A.I.A.

She said other members of the committee would include Jessie F. Banks, assistant professor of physical education at the University of Southern Colorado, and Margaret Waters, associate professor of physical education at East Texas State University. Three to five more members of the committee will be chosen from among names submitted from the N.A.I.A.'s 31 districts, Mr. Fritz said.

Ms. Warrington said that besides planning for the start-up of women's championships—the first of which probably will be in volleyball—her committee would "encourage the districts to include women at the grassroots level." She said she hoped that the committee could begin meeting in June.

Part of the proposal to establish women's championships committed the N.A.I.A. "to achieve equitable and proportionate representation by men and women at all levels of governance."

Mr. Fritz said his organization had add-

Continued on Page 10, Column 1

FACT-FILE

Opening Fall Enrollments in 1977, 1978, and 1979

	Total enrollment for all institutions	Publicly controlled institutions: All students: Men: Full-time	Publicly controlled institutions: All students: Men: Part-time	Publicly controlled institutions: All students: Women: Full-time	Publicly controlled institutions: All students: Women: Part-time	Publicly controlled institutions: First-time students	Privately controlled institutions: All students: Men: Full-time	Privately controlled institutions: All students: Men: Part-time	Privately controlled institutions: All students: Women: Full-time	Privately controlled institutions: All students: Women: Part-time	Privately controlled institutions: First-time students
All institutions											
1977	11,415,020	2,698,557	1,801,586	2,370,514	2,036,934	1,936,019	997,204	348,715	829,534	331,940	495,581
1978	11,391,950	2,579,748	1,776,914	2,337,695	2,148,844	1,922,057	991,967	349,205	861,201	346,376	500,341
1979	11,707,126	2,590,775	1,803,675	2,416,002	2,285,952	2,027,672	997,420	348,681	897,229	367,392	510,447
1978-79 change	+2.8%	+0.4%	+1.5%	+3.3%	+6.4%	+5.5%	+0.5%	−0.2%	+4.2%	+6.1%	+2.0%
1977-79 change	+2.5%	−3.9%	+0.1%	+1.9%	+12.2%	+4.7%	0.0%	0.0%	+0.1%	+10.7%	+3.0%
Universities											
1977	2,817,264	907,507	241,131	695,431	249,746	301,064	303,266	114,950	202,794	102,376	95,171
1978	2,804,264	890,346	240,119	702,443	252,922	302,989	303,011	108,498	207,342	99,583	96,081
1979	2,862,398	897,137	237,800	726,923	260,481	315,277	305,840	109,498	216,869	107,850	99,124
1978-79 change	+2.1%	+0.8%	−1.0%	+3.5%	+3.0%	+4.1%	+0.9%	+0.9%	+4.6%	+8.3%	+3.2%
1977-79 change	+1.6%	−1.1%	−1.4%	+4.5%	+4.3%	+4.7%	+0.8%	−4.7%	+6.9%	+5.3	+4.2%
Other 4-year institutions											
1977	4,518,772	981,292	461,654	930,830	526,969	444,276	637,792	218,202	505,698	211,344	322,493
1978	4,522,854	947,242	452,728	930,296	544,282	441,555	631,562	223,566	568,431	224,747	323,060
1979	4,594,701	950,122	443,152	954,451	556,876	452,619	636,406	224,622	593,571	235,501	330,551
1978-79 change	+1.6%	+0.3%	−2.1%	+2.6%	+2.3%	+2.5%	+0.8%	+0.5%	+4.4%	+4.8%	+2.3%
1977-79 change	+1.7%	−3.2%	−4.0%	+2.5%	+5.7%	+1.9%	−0.2%	+2.9%	+17.4%	+111.4%	+2.5%
Two-year institutions											
1977	4,078,984	809,695	1,098,801	744,253	1,260,219	1,190,679	56,146	15,599	76,051	18,220	77,917
1978	4,064,832	742,160	1,084,067	704,956	1,351,640	1,177,513	57,394	17,141	85,428	22,046	81,200
1979	4,250,027	743,516	1,122,723	734,628	1,468,595	1,259,776	55,174	14,561	86,789	24,041	80,772
1978-79 change	+4.6%	+0.2%	+3.6%	+4.2%	+8.7%	+7.0%	−3.9%	−15.1%	+1.6%	+9.0%	−0.5%
1977-79 change	+4.2%	−8.1%	+2.1%	−1.2%	+16.5%	+5.8%	−1.7%	−6.7%	+14.1%	+32.0%	+3.7%

1979 Fall Enrollment, by State

	Total enrollment for all institutions	Publicly controlled institutions: All students: Men: Full-time	Publicly controlled institutions: All students: Men: Part-time	Publicly controlled institutions: All students: Women: Full-time	Publicly controlled institutions: All students: Women: Part-time	Publicly controlled institutions: First-time students	Privately controlled institutions: All students: Men: Full-time	Privately controlled institutions: All students: Men: Part-time	Privately controlled institutions: All students: Women: Full-time	Privately controlled institutions: All students: Women: Part-time	Privately controlled institutions: First-time students
Alabama	159,784	49,029	20,013	48,663	21,655	32,992	8,214	951	9,594	1,665	5,716
Alaska	20 ,052	2,344	5,867	2,097	9,102	3,369	112	141	104	285	161
Arizona	188,976	44,986	45,330	38,122	54,936	56,555	3,866	340	1,044	352	1,457
Arkansas	74,701	23,413	7,609	21,913	11,434	15,321	4,821	426	4,580	505	3,108
California	1,698,668	303,879	413,334	284,268	513,381	346,822	73,283	32,866	56,011	21,646	22,750
Colorado	156,100	49,177	22,526	41,581	27,036	25,683	6,359	1,936	5,260	2,225	2,666
Connecticut	156,067	23,401	19,383	25,090	28,035	20,673	18,567	12,644	16,980	11,967	11,951
Delaware	32,308	8,616	4,099	9,947	4,861	6,898	959	973	1,512	1,341	1,281
District of Columbia	87,855	2,101	4,533	2,127	6,335	3,835	22,856	15,525	21,092	13,286	7,489
Florida	395,233	80,660	69,968	79,075	94,756	64,244	32,143	9,934	21,423	7,274	15,436
Georgia	178,017	45,796	23,663	42,355	27,142	23,859	17,080	2,277	16,824	2,880	9,462
Hawaii	47,204	13,705	7,794	13,670	7,930	7,736	979	1,802	671	653	1,351
Idaho	40,661	12,079	5,057	8,808	6,234	6,414	2,756	596	4,297	834	4,249
Illinois	612,916	115,608	107,750	103,241	138,280	115,089	54,045	22,275	45,588	26,129	24,591
Indiana	228,397	58,506	30,133	50,538	34,206	39,921	23,917	4,473	19,532	7,092	13,721
Iowa	132,599	37,343	9,703	31,758	12,229	26,677	17,366	3,688	15,841	4,671	10,095
Kansas	133,360	37,603	20,398	31,988	29,262	26,003	5,504	1,071	6,042	1,492	3,970
Kentucky	135,179	35,870	15,878	35,242	23,458	21,080	9,557	2,312	9,106	3,756	6,776
Louisiana	153 312	47,789	16,047	46,097	21,216	27,723	9,741	2,080	8,194	2,648	4,017
Maine	42,912	10,657	5,172	9,089	6,623	5,983	4,714	991	4,593	1,073	3,125
Maryland	218,745	44,876	40,635	47,453	56,685	35,674	8,989	5,230	8,770	6,107	4,371
Massachusetts	396,267	47,062	30,544	51,803	41,525	43,257	81,935	33,673	75,887	33,833	45,729
Michigan	503,839	119,209	96,898	110,545	113,041	97,541	23,614	9,409	21,744	9,379	13,945
Minnesota	193,830	50,168	23,003	46,016	33,980	31,396	17,333	1,941	18,842	2,547	9,359
Mississippi	100,272	33,016	8,783	34,938	12,575	26,796	3,487	1,228	4,144	2,101	2,299
Missouri	222,046	49,859	26,047	44,888	32,526	33,024	26,075	11,393	20,267	10,991	10,941
Montana	31,906	12,153	2,279	10,766	3,517	6,060	1,085	437	1,188	481	659
Nebraska	86,446	22,746	13,286	19,360	15,796	19,833	6,292	1,461	5,808	1,697	3,917
Nevada	35,935	6,256	11,864	4,786	12,759	3,608	77	41	67	85	85
New Hampshire	42,112	8,836	2,745	8,601	3,172	5,523	8,436	2,084	6,097	2,141	4,883
New Jersey	312,460	59,656	49,171	62,579	68,646	50,938	23,972	13,771	20,304	14,361	11,389
New Mexico	56,189	18,246	7,885	15,509	11,331	8,112	1,006	812	799	601	508
New York	970,168	165,911	90,333	176,481	117,220	114,562	146,819	65,502	130,394	77,508	66,238
North Carolina	269,065	67,326	35,054	68,115	40,703	56,708	26,365	2,295	25,999	3,208	15,623
North Dakota	31,904	13,396	2,227	11,272	2,893	8,231	724	122	980	290	519
Ohio	463,548	111,763	65,337	103,597	82,026	82,544	41,279	11,610	34,890	13,046	21,729
Oklahoma	152,683	44,341	21,935	36,297	28,719	28,165	8,530	2,640	7,363	2,858	3,281
Oregon	154,597	39,418	27,921	33,725	36,679	39,453	7,475	1,679	6,158	1,542	3,211
Pennsylvania	481,347	94,040	43,348	87,901	56,954	64,603	77,018	25,913	66,627	29,546	38,658
Rhode Island	64,435	8,683	5,655	10,073	9,326	7,366	12,432	4,980	9,954	3,332	6,756
South Carolina	131,459	37,383	16,134	32,053	17,693	28,150	11,669	1,660	12,895	1,972	8,495
South Dakota	31,294	9,874	2,377	8,246	2,864	5,215	3,057	456	3,555	865	2,278
Tennessee	199,654	47,857	25,891	43,996	34,533	33,584	22,098	2,325	20,341	2,613	12,610
Texas	676,047	180,698	119,541	155,293	136,203	155,589	36,245	10,556	29,302	8,209	14,939
Utah	90,398	22,684	10,474	15,950	7,355	14,573	13,495	3,431	12,600	4,409	6,247
Vermont	29,550	5,908	1,792	6,203	3,091	3,256	5,040	676	5,725	1,115	3,119
Virginia	270,599	62,339	48,520	63,386	62,819	31,836	13,705	1,708	15,705	2,417	9,126
Washington	303,469	67,631	61,017	61,599	86,658	19,594	10,066	3,225	10,105	3,168	4,862
West Virginia	81,335	22,089	11,412	18,879	18,224	13,280	3,627	1,214	4,218	1,672	2,922
Wisconsin	255,907	72,068	38,275	67,380	45,553	59,557	12,989	3,352	12,103	4,187	6,873
Wyoming	19,490	6,424	3,116	5,313	4,637	4,511	—	—	—	—	—

SOURCE: NATIONAL CENTER FOR EDUCATION STATISTICS

NOTE

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